Non-lethal Technology Innovation Center (NTIC)

University of New Hampshire
Durham, NH

Sponsored by a grant from the Joint Non-lethal Weapons Directorate

www.unh.edu/ntic

JNL[illegible]NTIC

To advance the non-lethal capabilities in peacekeeping, conventional warfare, national security, policing, disaster relief, humanitarian assistance, and noncombatant evacuation operations, NTIC has a mission to provide the U.S. military and law enforcement agencies with access to the nation's best research

Air Force

Army

Marines

Navy

Coast Guard

SOCOM

Justice

Academia

Industry

Government Laboratories

NTIC Mission Statement

To effect the next generation of non-lethal capabilities by identifying and promoting the development of innovative concepts, materials, and technologies.

We serve as an academic outreach program for non-lethal S&T research.

Activities

- Innovative Research and Survey Grants
- Non-lethal Technology and Academic Research (NTAR) Symposium
- Technical Working Groups

Innovative Research Project Grants

Interdisciplinary 1-2 year projects that emphasize innovative NLW applications involving new materials/methods or novel uses of existing

materials and technologies.

Exploration Survey or Review Grants

Non-renewable grants often serve as feasibility studies or reviews of existing technologies. Certain sociological or

Recently funded projects

- Electromagnetic properties of LIP
- Shockwave Characterization and Enhancement with Femtosecond Laser Irradiation
- Neuromuscular Disruption with Ultrashort Pulses
- Electromagnetic and thermal effect of directed energies on biological material
- Behavioral and medical outcomes of NLW
- Assessing the universality of crowd conflict parameters

IRP Grant Program

There is a strong commitment to support the research programs of U.S. academic institutions. Student participation is highly encouraged. The center strives not only to promote and facilitate the development of the next generation of NLW and capabilities, but to develop the next generation of NLW researchers. Industry is encouraged to partner with academia if applying to the grant program.

Driving Issues for Academia

- Multiple Levels of Intellectual Effort

  PI, (Post)Graduate, Undergraduate Students
- Job Training/Practical Application for Students
- Publish or Perish, especially for non-tenured faculty
- Presentation at symposia/conferences
- Intellectual Property Issues

Driving Issues for Academia (cont).

- Political/public acceptance - University letter of support
- Agency support regarding press inquiries;

  “I don’t have anything interesting to convey.”

Search Services

- Keyword searches facilitate locating worldwide expertise and grant funding opportunities.
- Varied subscription requirements based on user – Corporation, University, Individual.
- Search by Areas of Expertise, Member Institution, Geography, Researcher Name.
- Ease of use – Keywords arranged by discipline (Agriculture, Arts, Education, Engineering, Law, etc)

Search Services (cont.)

- InfoEd International, Inc (www.infoed.org)
  - SPINPlus, funding opportunities and CV database service – contains SPIN, GENIUS, SMARTS – automated alert system matches investigators with grant and contract announcements based on User Profiles. Univ > industry > government. No indiv.

- Grants.gov (www.grants.gov) comprehensive database to search and apply for competitive grant opportunities from ALL Federal agencies.

Search Services (cont.)

- Community of Science (www.cos.com)
  - Find funding with COS Funding Opportunities
  - Identify experts and collaborators with COS Expertise
  - Promote your research with a COS Profile
- The Foundation Center (www.Fdncenter.org)
  - Individual subscription based search database for philanthropy – scholarships, grants, awards.

Search Services (cont.)

- Society of Research Administrators: SRA International

www.srainternational.org/newweb/grantsweb/index.cfm

Site for Office of Research admin with reference information for education, US and International government. (i.e. FAR, ejournals, grant forms, etc)